

WHAT IS CLAIMED IS:

1. A connector connectable to a coaxial cable without using a tool, the cable including a central conductor, an outer insulator surrounded the central conductor, a braided outer conductor in the form of a cylindrical shell
5 surrounded the outer insulator, and a shield surrounded the outer conductor, the connector comprising:

an outer sleeve including a front, inwardly extending rim, a front bore section having a first diameter, an intermediate bore section having a second diameter larger than the first diameter for forming a shoulder therebetween, and
10 a rear bore section having a flared opening;

an inner sleeve including a front flange, a front, inwardly extending rim flush with the flange, and a rear flared opening;

a forward rotatable nut including internal threads for threadedly securing to a mated connector, and a rear, inwardly extending rim;

15 a hollow, cylindrical coupling including a rear, inwardly extending rim; and

a resilient gripping ring including an annular section and a plurality of oblique teeth equally spaced apart around an inner edge thereof,

wherein the rim of the nut is rotatably fitted between the outer sleeve and the flange and is sleeved on an intermediate portion of the inner sleeve, the rim
20 of the outer sleeve is sleeved on the flared opening of the inner sleeve with the shoulder being flush with the flared opening of the inner sleeve, the annular section is sandwiched between the rim of the coupling and the flared opening of the rear bore section, and the coupling is sleeved on a rear portion of the outer sleeve; and a front end of the cable is inserted into the coupling and the ring for
25 snugly fitting the outer insulator in a bore of the inner sleeve, the insertion is stopped as a front end of the outer insulator contacts the rim of the inner sleeve and front ends of the outer conductor and the shield contact both the shoulder

and an edge of the flared opening of the inner sleeve, the central conductor is inserted into the mated connector for connection, and the teeth exert an inwardly gripping force onto an outer surface of the shield for fastening the front end of the cable in the connector.

5 2. The connector of claim 1, wherein the rim of the coupling comprises an inwardly bent edge.

3. The connector of claim 1, wherein the flared opening of the inner sleeve comprises a sharp edge capable of inserting through the outer conductor into the shield for further fastening the front end of the cable in the connector.

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